|                    |   |         |          |  | Patent and Tradema                  | ark Office: U.S. DEPARTMENT OF COMMERC |  |  |  |
|--------------------|---|---------|----------|--|-------------------------------------|--|--|--|--|
|                    |   |         |          |  | Attorney Docket Number              | 2848-56-PUS                            |  |  |  |
|                    | DECLA   |         |          |  | First Named Inventor                | HUTTON, John C.                        |  |  |  |
| UTILITY OR DESIGN  |   |         |          |  | COMPLETE IF KNOWN                   |  |  |  |  |
| PATENT APPLICATION |   |         |          | ATION  | Application Number                  | 60/505,317                             |  |  |  |
|                    |   |         |          |  | Filing Date                         | 22 September 2003                      |  |  |  |
|                    | Declaration<br>Submitted with<br>Initial Filing | OR      | ×        | Declaration<br>Submitted after<br>Initial Filing | Group Art Unit                      |  |  |  |  |
|                    |   |         | K-X      |  | Examiner Name                       |  |  |  |  |
| 11                 | nereby declare                                  | that:   |          |  |                                     |  |  |  |  |
| E                  | ach inventor's re                               | sidence | e, maili | ng address, and c                                | sitizenship are as stated below nex | d to their name.                       |  |  |  |

| UTILITY OR DESIGN   | COMPLETE IF KNOWN   |                         |                    |   |  |  |  |  |  |  |
|---|---|-------------------------|--------------------|---|--|--|--|--|--|--|
| PATENT APPLICATION  | Application Number  | 505,317                 |                    |   |  |  |  |  |  |  |
|   | Filing Date   | September 2003          |                    |   |  |  |  |  |  |  |
| Declaration OR Declaration  | Group Art Unit  |                         |                    |   |  |  |  |  |  |  |
| Submitted with Submitted after  | Examiner Name   |                         |                    |   |  |  |  |  |  |  |
| Inda i mig  |   |                         |                    |   |  |  |  |  |  |  |
| I hereby declare that:  |   |                         |                    |   |  |  |  |  |  |  |
| Each inventor's residence, mailing address, and citizenship are as stated below next to their name.   |   |                         |                    |   |  |  |  |  |  |  |
| I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed for and for which a patent is sought on the invention entitled:   |   |                         |                    |   |  |  |  |  |  |  |
|   |   |                         |                    |   |  |  |  |  |  |  |
| "USE OF ISLET GLUCOSE-6-PHOSPHATASE   | RELATED PROTEIN AS A DIAG   | NOSTIC TOOL             | AND THERAP         | EUTIC   |  |  |  |  |  |  |
| TARGET FOR AUTOIMMUNE DIABETES"   |   |                         |                    |   |  |  |  |  |  |  |
|   | (Title of the Invention)  |                         |                    |   |  |  |  |  |  |  |
| the specification of which  |   |                         |                    |   |  |  |  |  |  |  |
| is attached hereto  |   |                         |                    |   |  |  |  |  |  |  |
| OR  |   |                         |                    |   |  |  |  |  |  |  |
| was filed on (MM/DD/YYYY) September 20  | was filed on (MM/DD/YYYY) September 20, 2004 as United States Application Number or PCT International |                         |                    |   |  |  |  |  |  |  |
|   |   |                         | 7:4                | : !: <b>! !</b> |  |  |  |  |  |  |
| Application Number PCT/US2004/030772  | and was amended on (MM/DD/Y   | YYY)                    | (n                 | applicable)   |  |  |  |  |  |  |
| I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred above.   |   |                         |                    |   |  |  |  |  |  |  |
| l acknowledge the duty to disclose information which i  | s material to patentability as define   | d in 37 CFR 1.50        | 6, including for o | continuation-   |  |  |  |  |  |  |
| in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation in part application.   |   |                         |                    |   |  |  |  |  |  |  |
| I hereby claim foreign priority benefits under 35 U.S.C   |   | v foreign applica       | ation(s) for pate  | nt, inventor's  |  |  |  |  |  |  |
| or plant breeder's right certificate(s), or \$365(a) of any   | PCT international application which   | ch designated at        | least one count    | ry otner than   |  |  |  |  |  |  |
| the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's right certificate(s), or of any Pct international application having a filing date before that of the application |   |                         |                    |   |  |  |  |  |  |  |
| on which priority is claimed.   |   |                         |                    |   |  |  |  |  |  |  |
| Prior Foreign Application Country   | Foreign Filing Date   | Priority<br>Not Claimed | Certified Cop      | y Attached?   |  |  |  |  |  |  |
| Number(s)   | (MM/DD/YYYY)  | NOI Claimed             | Yes                | No  |  |  |  |  |  |  |
|   |   |                         |                    |   |  |  |  |  |  |  |
|   |   |                         |                    |   |  |  |  |  |  |  |
|   |   |                         |                    |   |  |  |  |  |  |  |
| Additional foreign application numbers are listed on a supplemental priority sheet attached hereto.   |   |                         |                    |   |  |  |  |  |  |  |
| I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below   |   |                         |                    |   |  |  |  |  |  |  |

Filing Date (MM/DD/YYYY) Application Number(s) Additional provisional application numbers are listed on a supplemental priority sheet attached hereto. 09/22/2003 60/505,317

| DECLARATION Ut  | Page 2                                |   |         |                          |                            |                                     |  |  |
|---|---------------------------------------|---|---------|--------------------------|----------------------------|-------------------------------------|--|--|
| 211001 4.11   | ddress ass<br>mer Numb                | sociated with eer:                      | 2442    | OR                       | □ c∘                       | rrespondence address below          |  |  |
| Name<br>SHERIDAN ROSS PC  |                                       |   |         |                          |                            |                                     |  |  |
| Address 1560 Broadway, Suite 1200   |                                       |   |         |                          |                            |                                     |  |  |
| City<br>Denver  | State Colorado                        |   |         | Zip                      | 80202-5141                 |                                     |  |  |
| Country United States of Ameri  | ca                                    | Telephone Fax 303-863-9700 303-863-0223 |         |                          |                            |                                     |  |  |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |                                       |   |         |                          |                            |                                     |  |  |
| Name of Sole or First Joint Inv   | entor:                                | ☐ A petition has be                     | en file | d for this unsi          | gned inver                 | ntor                                |  |  |
| Given Name (first and middle [if  | any])                                 |   |         | Family Name              | e or Surna                 | r Surname                           |  |  |
| John C. HUTTON  |                                       |   |         |                          |                            |                                     |  |  |
| Inventor's Signature  | Inventor's Signature  Date  8/21/2004 |   |         |                          |                            |                                     |  |  |
| Residence: City   | State                                 |   | Coun    | try                      |                            | Citizenship                         |  |  |
| Denver  | Colorado United States of America     |   |         | United States of America |                            |                                     |  |  |
| Mailing Address   |                                       |   |         |                          |                            |                                     |  |  |
| 1324 Birch Street   |                                       |   |         |                          |                            |                                     |  |  |
| City  | State                                 | Zip                                     |         |                          |                            | Country                             |  |  |
| Denver  | Colorado                              | 80220                                   |         |                          | United States of America   |                                     |  |  |
| DECLARATION   | Utility or                            | Design Patent Applic                    | ation   |                          |                            | Page 2                              |  |  |
| Name of Inventor:   |                                       |   |         |                          |                            |                                     |  |  |
| Given Name (first and middle [if any]) Family Name or Surn.   |                                       |   |         |                          |                            | ame                                 |  |  |
| Richard O'BRIEN   |                                       |   |         |                          |                            |                                     |  |  |
| Inventor's Signature Date   |                                       |   |         |                          |                            |                                     |  |  |
| Residence: City<br>Brentwood  | State                                 | Country United States of America        |         |                          | Citizenship United Kingdom |                                     |  |  |
| Mailing Address   |                                       |   |         |                          |                            |                                     |  |  |
| 729 Jones Pa  | arkway                                |   | ·       |                          |                            |                                     |  |  |
| City<br>Brentwood   | State                                 | Tennessee                               | Zip     | 37027                    |                            | Country<br>United States of America |  |  |

| <del></del>  |  |   |                      |                       |                            |  |  |  |
|--|--|---|----------------------|-----------------------|----------------------------|--|--|--|
| DECLARATION U  |  | Page 2  |                      |                       |                            |  |  |  |
|  | address as<br>tomer Numb               | ssociated with<br>ber:                        | 2244;                | 2 OR                  | ☐ ca                       | orrespondence address below  |  |  |
| Name<br>SHERIDAN ROSS PO   | C                                      |   |                      |                       |                            |  |  |  |
| Address<br>1560 Broadway, Suite  | e 1200                                 |   |                      |                       |                            |  |  |  |
| City<br>Denver   |  | State Colorado                                | j ,                  |                       | Zīp                        | 80202-5141   |  |  |
| Country<br>United States of Ame  | ∍rica                                  | Telephone<br>303-8                            | 363-9700             | )                     | Fax                        | 303-863-0223   |  |  |
| belief are believed to be true; at<br>like so made are punishable b<br>Jeopardize the validity of the ap | nd further they fine or implication or | hat these statements<br>oprisonment, or both. | were ma<br>. under 1 | ade with the k        | nowledge th                | tements made on information and<br>nat willful false statements and the<br>such willful false statements may |  |  |
| Name of Sole or First Joint In   | iventor:                               | ☐ A petition has                              | been file            | ed for this uns       | signed inver               | ntor   |  |  |
| Given Name (first and middle [i  | if any])                               |   |                      | Family Name or Sumame |                            |  |  |  |
|  | John C.                                |   |                      |                       | ı                          | HUTTON   |  |  |
| Inventor's Signature   |  |   |                      |                       |                            | Date   |  |  |
| Residence: City  | State                                  |   | Cour                 | ıtry                  |                            | Citizenship  |  |  |
| Denver   |  | Colorado United States of A                   |                      |                       | f America                  | United States of America   |  |  |
| Mailing Address  |  |   |                      |                       |                            |  |  |  |
| 1324 Birch Street  |  |   |                      |                       |                            |  |  |  |
| City   | State                                  |   | Zip                  |                       |                            | Country  |  |  |
| Denver   |  | Colorado 80220                                |                      |                       |                            | United States of America   |  |  |
| DECLARATION -  | - Utility or                           | Design Patent Appl                            | lication             |                       |                            | Page 2   |  |  |
| Name of Inventor;     A petition has been filed for this unsigned inventor                               |  |   |                      |                       |                            |  |  |  |
| Given Name (first and middle [if any])  Family Name or Surname   |  |   |                      |                       |                            |  |  |  |
| Richard  O'BRIEN  Inventor's Signature  Richard  O'BRIEN  Date  11/27/06                                 |  |   |                      |                       |                            | Date 11/27/06  |  |  |
| Residence: City<br>Brentwood   | Tennessee                              | Country<br>United States of America           |                      |                       | Citizenship United Kingdom |  |  |  |
| Mailing Address  |  |   |                      |                       |                            |  |  |  |
| 729 Jones Pa   | irkway                                 |   |                      |                       |                            |  |  |  |
| City State Tennessee   |  |   | Zip                  | 37027                 |                            | Country<br>United States of America  |  |  |

3.7

| Name of Inventor:  |   | ☐ A petition has bee                                   | n filed  | for this unsigned invento     | r                                   |  |  |
|--|---|--|--|-------------------------------|-------------------------------------|--|--|
| Given Name (first and middle [i  | f any])   |  |  | Family Name or Surnar         | amily Name or Surname               |  |  |
| ,  | Howard  |  |  | С                             | AVIDSON                             |  |  |
| Inventor's Signature   | M   |  |  |                               | Date 8/21/06                        |  |  |
| Residence: City<br>Denver  | Colorado  | Coun   | try<br>d States of America                     | Citizenship<br>United Kingdom |                                     |  |  |
| Mailing Address 1950 TRENTON ST APF346 3333 E. Bayaud Avenue, Apt. 504 |   |  |  |                               |                                     |  |  |
| City<br>Denver   | State   | Zip \$02.5 Colorado -80209-                            |  |                               | Country<br>United States of America |  |  |
| Name of Inventor:  |   | ☐ A petition has bee                                   | tion has been filed for this unsigned inventor |                               |                                     |  |  |
| Given Name (first and middle [i  | f any])   |  |  | Family Name or Surna          | е                                   |  |  |
| Sei  | ija HACKL   | Seija HACKL  |  |                               |                                     |  |  |
| Inventor's Signature  SEGA MACAE  Date 8/21/06                         |   |  |  |                               |                                     |  |  |
| Residence: City<br>Aurora  | Colorado  | Country<br>United States of America                    |  | Citizenship<br>Finland        |                                     |  |  |
| Mailing Address  | ·   |  |  |                               |                                     |  |  |
| 4274 Halifax   | Way   |  | T  |                               |                                     |  |  |
| City State Colorado  |   |  | Zip  | 80013                         | Country<br>United States of America |  |  |
| Name of Inventor:  |   | ☐ A petition has been filed for this unsigned inventor |  |                               |                                     |  |  |
| Given Name (first and middle [i  | •   |  | me   |                               |                                     |  |  |
| Inventor's Signature   |   | Date   |  |                               |                                     |  |  |
| Residence: City  | Country   |  | Citizenship                                    |                               |                                     |  |  |
| Mailing Address  |   |  |  |                               |                                     |  |  |
| City   | Agging at the similar training to the state of the state | Zip  |  | Country                       |                                     |  |  |
| L  | -Acumus   |  | ***************************************        |                               |                                     |  |  |

Additional inventors or a legal representative are being named on the \_\_\_\_\_ supplemental sheet(s) PTO/SB02A or 02LR attached hereto